

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001853

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B23C 5/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 3314049 A1 (MONTANWERKE WALTER GMBH), 25 October 1984 (25.10.1984), page 9, line 7 - line 12, figures 1,3, abstract	1,2,4,5
Y	--	3
X	AU 756749 B2 (KENNAMETAL INC.), 23 January 2003 (23.01.2003), figure 5, abstract	1,2,4,5
Y	--	3

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Week 199903 Derwent Publications Ltd., Lpndon, GB; Class P54, AN 1999-028328 & JP 10291115 A (HITACHI TOOL KK), 04 November 1998 (1998-11-04) abstract	1,2,4,5
Y	--	3
A	US 6619891 B2 (L.-O. HANSSON ET AL), 16 Sept 2003 (16.09.2003), figure 1, abstract --	1-5
A	EP 0711619 A1 (MITSUBISHI MATERIALS CORPORATION), 15 May 1996 (15.05.1996), figure 1, abstract -- -----	1-5

# INTERNATIONAL SEARCH REPORT

Information on patent family members

30/01/2005

International application No.

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DE	3314049	A1	25/10/1984	NONE		
AU	756749	B2	23/01/2003	AU	1002102 A	21/02/2002
				AU	3383099 A	08/11/1999
US	6619891	B2	16/09/2003	AU	6487300 A	05/03/2001
				CN	1426337 T	25/06/2003
				EP	1276580 A	22/01/2003
				JP	2003531736 T	28/10/2003
				SE	516252 C	10/12/2001
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				US	20010041105 A	15/11/2001
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				KR	258298 B	01/08/2000
				US	5947649 A	07/09/1999